

Exploring the Extreme			
2008 Mathematics			
Learning Standards			
Washington Mathematics			
Grade K			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	WA	MA.K.K.5.F	Describe how a problem was solved.
Exploring the Extreme			
2008 Mathematics			
Learning Standards			
Washington Mathematics			
Grade 1			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	WA	MA.1.1.4.B	Use a variety of non-standard units to measure length.
Finding the Center of Gravity Using Rulers	WA	MA.1.1.6.G	Describe how a problem was solved.
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2008 Mathematics			
Learning Standards			
Washington Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	WA	MA.2.2.3.A	Identify objects that represent or approximate standard units and use them to measure length.
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2008 Mathematics			
Learning Standards			
Washington Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Jet Propulsion	WA	MA.5.5.6.I	Summarize mathematical information, draw conclusions, and explain reasoning.
Vectoring	WA	MA.5.5.6.I	Summarize mathematical information, draw conclusions, and explain reasoning.
Center of Gravity, Pitch, Yaw	WA	MA.5.5.1.B	Determine quotients for multiples of 10 and 100 by applying knowledge of place value and properties of operations.
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2008 Mathematics			
Learning Standards			
Washington Mathematics			
Grade 6			

Activity/Lesson	State	Standards	
Jet Propulsion	WA	MA.6.6.6.E	Communicate the answer(s) to the question(s) in a problem using appropriate representations, including symbols and informal and formal mathematical language.
Jet Propulsion	WA	MA.6.6.6.G	Extract and organize mathematical information from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.
Vectoring	WA	MA.6.6.6.E	Communicate the answer(s) to the question(s) in a problem using appropriate representations, including symbols and informal and formal mathematical language.
Center of Gravity, Pitch, Yaw	WA	MA.6.6.3.D	Solve single- and multi-step word problems involving ratios, rates, and percents, and verify the solutions.
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2008 Mathematics			
Learning Standards			
Washington Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Jet Propulsion	WA	MA.7.7.6.E	Communicate the answer(s) to the question(s) in a problem using appropriate representations, including symbols and informal and formal mathematical language.
Vectoring	WA	MA.7.7.6.E	Communicate the answer(s) to the question(s) in a problem using appropriate representations, including symbols and informal and formal mathematical language.
Center of Gravity, Pitch, Yaw	WA	MA.7.7.2.A	Mentally add, subtract, multiply, and divide simple fractions, decimals, and percents.
Exploring the Extreme			
2008 Mathematics			
Learning Standards			
Washington Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Jet Propulsion	WA	MA.8.8.5.G	Extract and organize mathematical information from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.
Fuel Efficiency	WA	MA.8.8.1.C	Represent a linear function with a verbal description, table, graph, or symbolic expression, and make connections among these representations.

Fuel Efficiency	WA	MA.8.8.1.G	Determine and justify whether a given verbal description, table, graph, or symbolic expression represents a linear relationship.
Fuel Efficiency	WA	MA.8.8.5.G	Extract and organize mathematical information from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.